

SWBAT: relate and give examples of voltage

Jan 4-7:20 AM

Welcome!!!

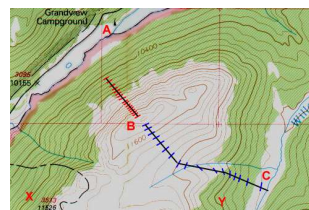
H. Leslie Grebe

SECA Physics
Wednesday 19 February 2014

- * Pick up:
 - slip of paper (for later)

Centering

Opening Questions:



If I'm going to drop something on your head...

what are the main factors that might determine how much it will hurt?

WEIGHT - HEAVY
HEIGHT
IMPULSE SHAPE - PRESSURE

Sep 7-7:04 AM

Today we need some stuff from other physics...

Holding weight: **EQUILIBRIUM FORCE
AGAINST GRAVITY**

LIFTING weight: **WORK AGAINST
GRAVITY**

Energy is the ability to do work, measured in Joules...

Feb 18-6:50 AM

Worksheet:

- * Fill in the blank or circle best choice
- * When you are done: look at second column and think about gravity and how it might be related
- * Some of "daily 3 questions" will be directly from this sheet!

Battery Voltage			
NEGATIVE IS FLIPPED BATTERY	OLD	NEW	
	"D"	"AA"	"AAA"
	1.52	1.61	1.62
	-1.52	1.61	1.62
BIGGER ⇒ LASTS LONGER	1.5V	1.5V	1.5V

Feb 18-6:54 AM

How many volts???

Van de Graff generator:

50,000V



Balloon rubbed against your hair:

5000V

Wall outlet (that we put plugs in):

120V

ELEC GRAY
Voltage => height
Charge => mass

Huh???

Feb 22-7:50 AM

Voltage:

is the **potential** based on **position** in an electric field.

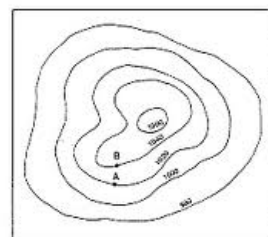
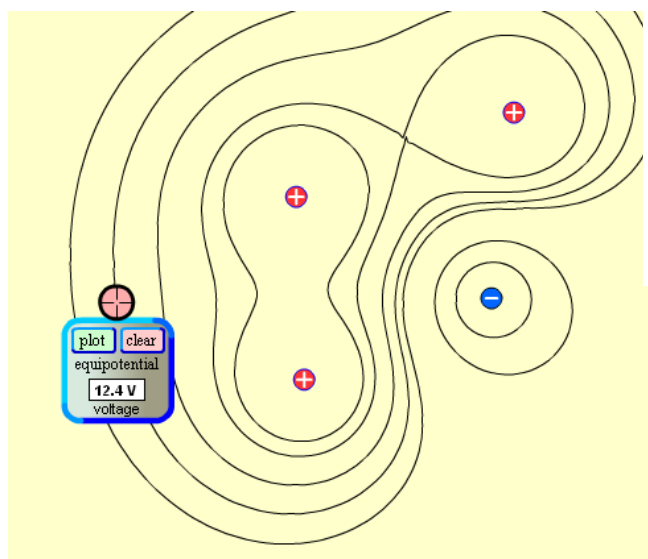


Figure E-1: Isolated Hill

Feb 18-6:47 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

CP Hmwk: Similarity & difference for electric and gravitational fields

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. To bring the small balloon closer to the big balloon, I have to overcome the repelling ing force.

2. Voltage is the potential based on position in an electric field.

3. Which has a higher voltage: A balloon rubbed against someone's hair or the wall outlet?

Feb 18-6:59 AM